

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

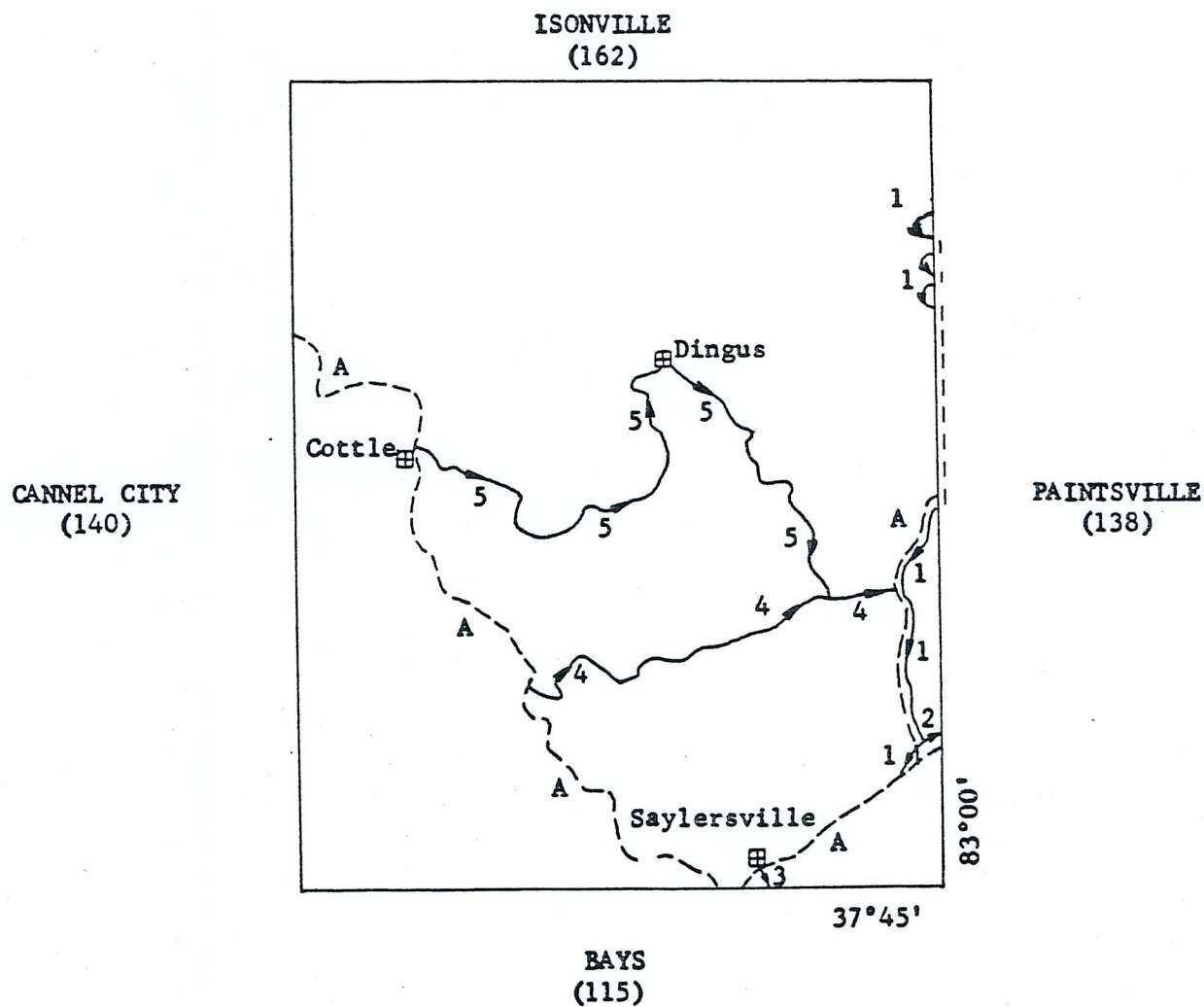
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-083-11
DINGUS QUADRANGLE
139 KENTUCKY
N3745-W8300/15
DIAGRAM NJ 17-7
JENKINS

Final adjustment of 1965

Edition of 10/26/73

PR: LFB/ale



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370831

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ISOLATED BENCH MARKS (By S. R. Archer, 1915; Book A9639 and W. D. Leech, 1930; Book B3758)

Feet

- Ophir, 2.4 mi NW. of post office; on Open Fork of Paint Creek; at S. end of intersection of rd. and creek; 840 ft SW. of mouth of Calhoun or Thorn Hill Branch; 500 ft N. of Van Hill Branch; opposite and 425 ft N. of residence of Marion Hill; on E. side of rd.; on W. bank of creek; under 18-in. maple tree; 4 ft above water; in top of S. end of sandstone outcrop; standard tablet stamped "700 KY" (Reported destroyed, 1949) 699.757
- Lenox, 2.5 mi NE. of; 0.7 mi SW. of Straight Creek School; 500 ft S. of junction of T-rd. E. at forks of Straight Creek; 40 ft W. of old RR. grade; in sandstone boulder; standard tablet stamped "TT STA NO 28 K 1929" (Reported destroyed, 1975) 816.741
- Crockett, 2.9 mi SW. of, thence 0.3 mi NW.; at Laurel Fork School; 250 ft W. of rd. forks; 70 ft E. of United Baptist Church; on N. side of rd.; in large flat boulder; standard tablet stamped "TT STA NO 27 K 1929" (Reported destroyed, 1950) 828.868
- Crockett; 260 ft N. of junction of T-rd. E. at Union Church; 75 ft E. of Fanning Fork; in large flat boulder; standard tablet stamped "TT STA NO 26 K 1929" 871.495

LINE 1.

By E. O. Miner, 1949; Book AV 100

- U.E., 75 ft NE. of junction of T-rd.; 10 ft SE. of middle of rd.; on top of rock ledge; chiseled square 755.16
- U.E., 30 ft E. of intersection of State Highway 172 and rd. up Browns Branch; on top of wingwall at N. corner of concrete bridge; chiseled square 728.84
- U.E., 100 ft E. of junction of T-rd.; on W. end of N. headwall of concrete culvert; chiseled square 729.93

/Jogs into Paintsville quadrangle/

- U.E., at NW. corner of cleared field; 20 ft E. of, and 6 ft higher than centerline of rd.; in root on NW. side of 24-in. mulberry tree; spike nail 741.92

/Jogs into Paintsville quadrangle/

LINE 1 (Cont'd.)Feet

U.E., at NE. corner of cultivated field; 50 ft NW. of ford; on NW. end of 3- by 8- by 2-ft exposure of sandstone; 8 ft NE. of stream; chiseled square	742.20
Ophir, 3.7 mi S. of post office; 1.1 mi N., thence 2.2 mi NE. of Wheelersburg Post Office; 215 ft SW. of confluence of Mine Fork and Lacey Fork, which is corner of Johnson, Morgan, and Magoffin Counties; about 60 ft NW. of NW. corner of farmhouse; in top of 3- by 5- by 8-ft boulder; standard tablet stamped "102 EOM 1949 753"	753.667
Reference mark; 12 ft E. of tablet; on top of 2- by 2-ft boulder; chiseled square	748.91
U.E., about 150 ft E. of farmhouse; at N. side of rd.; on sandstone ledge; chiseled square	839.83
U.E., 125 ft S. of Mouth-of-Lacey School; on SE. edge of rd., which is in bed of Jellico Creek; on 20- by 40-ft sandstone ledge; chiseled square	813.34
U.E., 35 ft W. of centerline of rd.; at NW. edge of field rd.; in base on E. side of 24-in. white oak tree to which fence is attached; spike nail	913.30
U.E., 20 ft SW. of T-intersection with dim rd. W.; in base on E. side of 0.5 ft maple tree, which is fence corner post; spike nail	1036.76
U.E., at hairpin turn in rd.; at N. side of rd.; on 1- by 3- by 8-ft outcrop; chiseled square	871.48
Wheelersburg, 1.1 mi N. of post office; 120 ft NE. of Y-rd. intersection; 100 ft NE. of bridge over Flat Fork; 25 ft NW. of, and 11 ft higher than centerline of rd.; in 3- by 3-ft exposure of sandstone; standard tablet stamped "103 EOM 1949 861"	860.792
Reference mark; 100 ft SW. of tablet; at NW. corner of bridge; on concrete abutment; chiseled square	855.73
U.E., at W. edge of, and 3 ft higher than rd.; on ledge; chiseled square	874.65
U.E., Wheelersburg, at SE. corner of concrete bridge on main rd.; on concrete abutment; chiseled square	856.41 -
U.E., 20 ft E. of, and 6 ft lower than centerline of rd.; on N. end of E. headwall of masonry culvert; chiseled square	876.87

LINE 1 (Cont'd.)Feet

Wheelersburg, 1.25 mi S. of post office, along graveled rd.;
 0.65 mi NE. of Falcon Post Office, along U.S. Highway 460,
 thence 2.1 mi NW. along graveled rd.; 0.5 mi SE. of post office
 at Leatha; 195 ft NW. of crossroads; 21 ft NE. of center of rd.;
 34 ft N. of N. corner of 6-ft concrete box culvert; 60 ft SE. of
 S. corner of garage; 2 ft NE. of fenceline; 1 ft SE. of white
 witness post; in concrete post 2 ft below level of rd.; standard
 tablet stamped "104 EOM 1949 904.158" (Tied by NGS, 1952) 904.158

Reference mark; 220 ft SE. of tablet; 35 ft S. of, and 6 ft
 lower than crossroads; on NW. end of SW. headwall of concrete
 culvert; chiseled square 900.17

U.E., on S. end of W. headwall of masonry culvert; chiseled
 square 941.15

U.E., at top of ridge; 45 ft S. of junction of Y-rd.; in base
 on N. side of 24-in. oak tree; rail spike 1177.70

U.E., 20 ft E. of, and 10 ft lower than centerline of rd.; on
 N. end of E. headwall of concrete culvert; chiseled square 1019.22

U.E., 20 ft SE. of Y-intersection of U. S. Highway 460 and rd.
 N. to Wheelersburg; in base on W. side of 24-in. sycamore
 tree; spike nail 960.01

"K 91 1935" (NGS) 935.375

LINE 2.

By E. O. Miner, 1949; Book AV 100

U.E., Spike (Described in line 1) 960.01

LINE 3.

By E. O. Miner, 1949; Book AV 100

"G 91 1935" (NGS) 854.126

LINE 4.

By W. S. Monk, 1950; Book AV 164

"A 91 1935" (NGS) 845.838

U.E., Bloomington, 0.4 mi W. of; 20 ft S. and 20 ft W. of
 centerline of rd. at junction of private drive S.; in root
 on SW. side of 42-in. sycamore tree; copper nail and washer 837.97

LINE 4 (Cont'd.)Feet

Bloomington; 500 ft W. of post office; 20 ft N. and 20 ft W. of centerline of rd. at junction of T-rd. N.; in E. end of stone headwall of culvert; standard tablet stamped "68 WSM 1950 822" 822.357

Reference mark; 25 ft S. of tablet; on stone headwall of culvert; chiseled square 822.40

Bloomington, 2.1 mi E. of; 65 ft N. and 12 ft E. of centerline of rd. at junction of trail N. to residence; 100 ft E. of NE. corner of residence; in rock outcrop; standard tablet stamped "69 WSM 1950 837" 837.040

Reference mark; 80 ft SW. of tablet; in root on S. side of 10-in. black walnut tree; copper nail and washer 837.11

Bloomington, 4.2 mi E. of; 20 ft S. and 680 ft E. of centerline of rd. at junction of T-rd. N. at Bushy Fork Creek at point where rd. goes in Raccoon Creek; 300 ft S. of residence; in rock ledge; standard tablet stamped "70 WSM 1950 859" 859.336

Reference mark; 3 ft S. of tablet; on rock ledge; chiseled square 859.98

Bloomington, 6.5 mi E. of; 1.1 mi N. of Wheelersburg, thence 1.3 mi W.; 20 ft N. and 270 ft E. of centerline of rd. at junction of rd. N.; 50 ft W. of residence; in sandstone outcrop; standard tablet stamped "71 WSM 1950 1063" 1062.914

Reference mark; 14 ft E. of tablet; on sandstone outcrop; chiseled square 1062.73

Wheelersburg, 1.1 mi N. of; 12 ft N. of center of concrete bridge; in NW. end of N. concrete abutment of bridge; standard tablet stamped "TT 19 HF 1949 855.773" (Tied by NGS, 1952) 855.773

"103 EOM 1949 861" (Described in line 1) 860.792

LINE 5.

By W. S. Monk, 1950; Book AV 164

"X 90 1935" (NGS) 793.371

LINE 5 (Cont'd.)Feet

Matthew, 2.0 mi NW. of, along State Highway 364; 25 ft S. and 30 ft W. of, and 3 ft higher than centerline of hwy. at junction of T-rd. N.; 10 ft SE. of concrete section marker; in sandstone outcrop; standard tablet stamped "72 WSM 1950 823" (Not found, 1975)	822.746
Reference mark; 75 ft E. of tablet; in root on SE. side of 30-in. oak tree; copper nail and washer	822.04
Matthew; 35 ft SW. of SW. corner of post office; 35 ft E. of centerline of State Highway 364; 70 ft NW. of NW. corner of residence; in concrete post; standard tablet stamped "73 WSM 1950 852"	851.932
Reference mark; 22 ft E. of tablet; on concrete walk to residence; chiseled square	853.13
Matthew, 2.0 mi NE. of; 7 ft N. and 150 ft E. of centerline of rd. at small stream crossing and junction of dim T-rd. N.; in sandstone ledge; standard tablet stamped "74 WSM 1950 816"	815.884
Reference mark; 1 ft E. of tablet; on sandstone ledge; chiseled square	815.94
Matthew, 3.9 mi NE. of; at Logville; 80 ft E. of SE. corner of post office; 20 ft N. of centerline of rd.; 45 ft W. of SW. end of barn; in concrete post; standard tablet stamped "75 WSM 1950 832"	831.650
Reference mark; 30 ft W. of tablet; on SE. end of concrete walk to residence; chiseled square	832.20
Logville, 0.3 mi E. of post office, thence 2.2 mi N.; 0.7 mi SW. of Dingus Union Church, thence 0.7 mi SE.; 320 ft N. and 10 ft E. of centerline of rd. at junction of rd. E. up Bear Branch; 140 ft N. of residence; in concrete post; standard tablet stamped "76 WSM 1950 896"	895.933
Reference mark; 100 ft N. of tablet; on rock outcrop; chiseled square	889.77
Dingus, 0.4 mi E. of Union Church; 250 ft W. of centerline of rd. at junction of rd. NE.; 8 ft N. of, and 2 ft lower than NW. end of bridge over Birch Creek; in rock outcrop; standard tablet stamped "77 WSM 1950 853"	852.393
Reference mark; 8 ft S. of tablet; on NW. stone abutment of bridge; chiseled square	857.02

LINE 5 (Cont'd.)Feet

Dingus, 2.4 mi SE. of; 30 ft N. of centerline of Dingus-Silverhill Road at junction of T-rd. SW.; in concrete post; standard tablet stamped "78 WSM 1950 917"	922.152
Reference mark; 20 ft SW. of tablet; on N. end of concrete culvert; chiseled square	917.09
Silverhill; 320 ft S. and 70 ft W. of centerline of rd. at junction of rd. S. to Grayfox; 60 ft NW. of NW. corner of school; 9 ft E. of Coffee Creek; in rock outcrop; standard tablet stamped "79 WSM 1950 960"	959.547
Reference mark; 40 ft S. of tablet; in root on N. side of 14-in. oak tree; copper nail and washer	966.06
Grayfox, 0.2 mi E. of post office; 30 ft N. and 80 ft W. of centerline of rd. at junction of dim rd. N.; 30 ft SW. of NW. corner of Rockhouse Church; in rock outcrop; standard tablet stamped "80 WSM 1950 950"	950.113
Reference mark; 9 ft W. of tablet; on rock outcrop; chiseled square	949.78
Grayfox, 1.8 mi SE. of post office; 100 ft N. and 20 ft E. of centerline of rd. at junction of rd. NW. to Logville; in sandstone outcrop; standard tablet stamped "81 WSM 1950 1232"	1231.376
Reference mark; 22 ft N. of tablet; in root on SW. side of 14-in. oak tree; copper nail and washer	1232.77
"71 WSM 1950 1063" (Described in line 4)	1062.914

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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DINGUS QUADRANGLE
139 KENTUCKY
N3745-W8300/15
DIAGRAM NJ 17-7
JENKINS

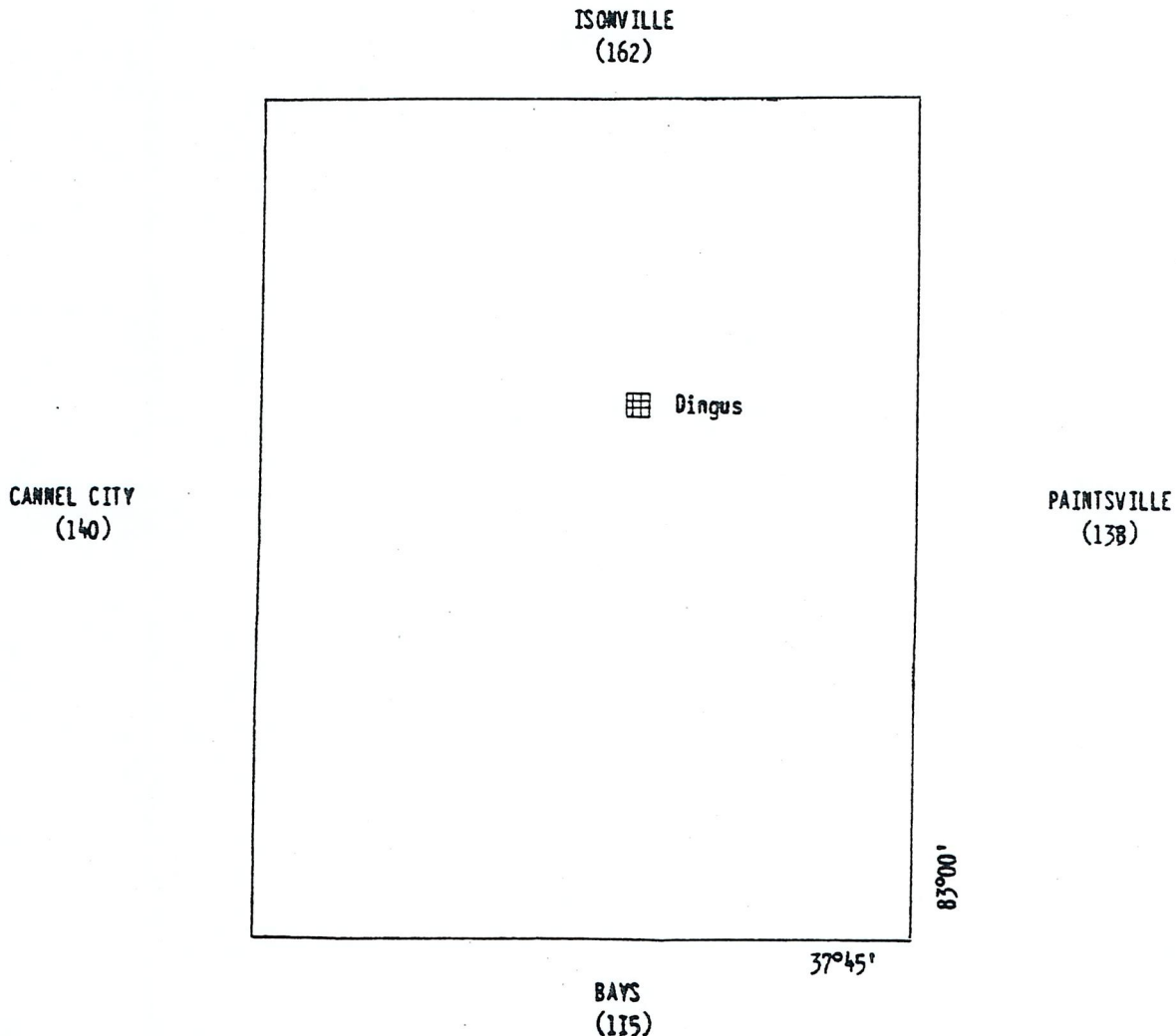
Elliott, Johnson, Lawrence,
Magoffin, and Morgan Counties

Edition of 1/26/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection Kentucky, North and South Zones

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

139 KENTUCKY
DINGUS QUADRANGLE

37-083-11
#3745-W8300/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

TT STA NO 26 K 1929
TT STA NO 27 K 1929
TT STA NO 28 K 1929
102 EQM 1949 753
104 EQM 1949 904.158
TT 18 HF 1949
TT 19 HF 1949 855.773

3
3
3
3
3
3
3

NGS

K 91 1935 935.375

4

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By B. J. Keating, 1929; Book C9139

Crockett; 260 ft N. of junction of T-rd. E. at Union Church; 75 ft E. of Fanning Fork; in large flat boulder; standard tablet stamped "TT STA NO 26 K 1929"

Ky. N.)	X = 2,333,693	Y = 179,557	37 59 14.36	83 05 31.90
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Crockett, 2.9 mi SW. of, thence 0.3 mi NW.; at Laurel Fork School; 250 ft W. of rd. forks; 70 ft E. of United Baptist Church; on N. side of rd.; in large flat boulder; standard tablet stamped "TT STA NO 27 K 1929" (Reported destroyed, 1950)

	X = 2,323,885	Y = 175,061	37 58 31.12	83 07 35.09
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Lenox, 2.5 mi NE. of; 0.7 mi SW. of Straight Creek School; 500 ft S. of junction of T-rd. E. at forks of Straight Creek; 40 ft W. of old RR. grade; in sandstone boulder; standard tablet stamped "TT STA NO 28 K 1929" (Reported destroyed, 1975)

	X = 2,310,672	Y = 175,805	37 58 40.03	83 10 19.98
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By H. P. Finch, 1949; Book AH 136

Relief, 1.1 mi NW. of post office, along State Highway 172; 41 ft N. and 9 ft E. of centerline of hwy. at junction of T-rd. NE.; 70 ft N. of center of concrete bridge; 135 ft S. of white house owned by Bradford Ison; in concrete post; standard tablet stamped "TT 18 HF 1949"

	X = 2,357,503	Y = 167,200	37 57 09.14	83 00 36.61
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Ophir, 3.7 mi S. of post office; 1.1 mi N., thence 2.2 mi NE. of Wheelersburg Post Office; 215 ft SW. of confluence of Mine Fork and Lacey Fork, which is corner of Johnson, Morgan, and Magoffin Counties; about 60 ft NW. of NW. corner of farmhouse; in top of 3- by 5- by 8-ft boulder; standard tablet stamped "102 EQM 1949 753"

	X = 2,359,334	Y = 133,094	37 51 31.76	83 00 19.51
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Wheelersburg, 1.1 mi N. of; 12 ft N. of center of concrete bridge; in NW. end of N. concrete abutment of bridge; standard tablet stamped "TT 19 HF 1949 855.773"

	X = 2,355,834	Y = 125,636	37 50 18.50	83 01 04.38
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Wheelersburg, 1.25 mi S. of post office, along graveled rd.; 0.65 mi NE. of Falcon Post Office, along U.S. Highway 460, thence 2.1 mi NW. along graveled rd.; 0.5 mi SE. of post office at Leatha; 195 ft NW. of crossroads; 21 ft NE. of center of rd.; 34 ft N. of N. corner of 6-ft concrete box culvert; 60 ft SE. of S. corner of garage; 2 ft NE. of fence line; 1 ft SE. of white witness post; in concrete post 2 ft below level of rd.; standard tablet stamped "104 EQM 1949 904.158"

	X = 2,356,486	Y = 115,589	37 48 39.10	83 00 57.93
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139 KENTUCKY
DINGUS QUADRANGLE

37-083-11

4

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Falcon, 0.2 mi NE. of post office, along U.S. Highway 460; 27 ft SE. of, and 1 ft lower than centerline of hwy.; at grocery store of Ora Caudill; 66 ft SW. of fence corner; 45 ft NW. of NW. corner of garage; in concrete post; MGS standard disk stamped "K 91 1935 935.375"

X = 2,358,137

Y = 106,036

37 47 04.45

83 00 38.97